

O. Chernyshev

Re-run

#24



RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/640,737C

DATE: 07/16/2003

TIME: 14:45:05

Input Set : A:\36668.txt

Output Set: N:\CRF4\07162003\I640737C.raw

5 <110> APPLICANT: MANDELKOW ET AL.  
7 <120> TITLE OF INVENTION: NOVEL TOOLS FOR THE DIAGNOSIS AND TREATMENT OF ALZHEIMER'S  
DISEASE

9 <130> FILE REFERENCE: 28384/36668  
11 <140> CURRENT APPLICATION NUMBER: US 09/640,737C  
12 <141> CURRENT FILING DATE: 2000-08-17  
14 <150> PRIOR APPLICATION NUMBER: US 08/244,603  
15 <151> PRIOR FILING DATE: 1994-06-03  
17 <160> NUMBER OF SEQ ID NOS: 37  
19 <170> SOFTWARE: PatentIn version 3.1  
21 <210> SEQ ID NO: 1  
22 <211> LENGTH: 441  
23 <212> TYPE: PRT  
24 <213> ORGANISM: Homo sapiens  
27 <400> SEQUENCE: 1

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29 Met Ala Glu Pro Arg Gln Glu Phe Glu Val Met Glu Asp His Ala Gly  
30 1 5 10 15  
33 Thr Tyr Gly Leu Gly Asp Arg Lys Asp Gln Gly Gly Tyr Thr Met His  
34 20 25 30  
37 Gln Asp Gln Glu Gly Asp Thr Asp Ala Gly Leu Lys Glu Ser Pro Leu  
38 35 40 45  
41 Gln Thr Pro Thr Glu Asp Gly Ser Glu Glu Pro Gly Ser Glu Thr Ser  
42 50 55 60  
45 Asp Ala Lys Ser Thr Pro Thr Ala Glu Asp Val Thr Ala Pro Leu Val  
46 65 70 75 80  
49 Asp Glu Gly Ala Pro Gly Lys Gln Ala Ala Gln Pro His Thr Glu  
50 85 90 95  
53 Ile Pro Glu Gly Thr Thr Ala Glu Glu Ala Gly Ile Gly Asp Thr Pro  
54 100 105 110  
57 Ser Leu Glu Asp Glu Ala Ala Gly His Val Thr Gln Ala Arg Met Val  
58 115 120 125  
61 Ser Lys Ser Lys Asp Gly Thr Gly Ser Asp Asp Lys Lys Ala Lys Gly  
62 130 135 140  
65 Ala Asp Gly Lys Thr Lys Ile Ala Thr Pro Arg Gly Ala Ala Pro Pro  
66 145 150 155 160  
69 Gly Gln Lys Gly Gln Ala Asn Ala Thr Arg Ile Pro Ala Lys Thr Pro  
70 165 170 175  
73 Pro Ala Pro Lys Thr Pro Pro Ser Ser Gly Glu Pro Pro Lys Ser Gly  
74 180 185 190  
77 Asp Arg Ser Gly Tyr Ser Ser Pro Gly Ser Pro Gly Thr Pro Gly Ser  
78 195 200 205  
81 Arg Ser Arg Thr Pro Ser Leu Pro Thr Pro Pro Thr Arg Glu Pro Lys  
82 210 215 220  
85 Lys Val Ala Val Val Arg Thr Pro Pro Lys Ser Pro Ser Ser Ala Lys

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86 225          230          235          240
89 Ser Arg Leu Gln Thr Ala Pro Val Pro Met Pro Asp Leu Lys Asn Val
90          245          250          255
93 Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly
94          260          265          270
97 Gly Lys Val Gln Ile Ile Asn Lys Lys Leu Asp Leu Ser Asn Val Gln
98          275          280          285
101 Ser Lys Cys Gly Ser Lys Asp Asn Ile Lys His Val Pro Gly Gly Gly
102          290          295          300
105 Ser Val Gln Ile Val Tyr Lys Pro Val Asp Leu Ser Lys Val Thr Ser
106 305          310          315          320
109 Lys Cys Gly Ser Leu Gly Asn Ile His His Lys Pro Gly Gly Gly Gln
110          325          330          335
113 Val Glu Val Lys Ser Glu Lys Leu Asp Phe Lys Asp Arg Val Gln Ser
114          340          345          350
117 Lys Ile Gly Ser Leu Asp Asn Ile Thr His Val Pro Gly Gly Gly Asn
118          355          360          365
121 Lys Lys Ile Glu Thr His Lys Leu Thr Phe Arg Glu Asn Ala Lys Ala
122          370          375          380
125 Lys Thr Asp His Gly Ala Glu Ile Val Tyr Lys Ser Pro Val Val Ser
126 385          390          395          400
129 Gly Asp Thr Ser Pro Arg His Leu Ser Asn Val Ser Ser Thr Gly Ser
130          405          410          415
133 Ile Asp Met Val Asp Ser Pro Gln Leu Ala Thr Leu Ala Asp Glu Val
134          420          425          430
137 Ser Ala Ser Leu Ala Lys Gln Gly Leu
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141 <210> SEQ ID NO: 2
142 <211> LENGTH: 6
143 <212> TYPE: PRT
144 <213> ORGANISM: Artificial sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Synthetic peptide
149 <400> SEQUENCE: 2
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152 1          5
155 <210> SEQ ID NO: 3
156 <211> LENGTH: 7
157 <212> TYPE: PRT
158 <213> ORGANISM: Artificial sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Synthetic peptide
163 <400> SEQUENCE: 3
165 Tyr Ser Ser Pro Gly Ser Pro
166 1          5
168 <210> SEQ ID NO: 4
169 <211> LENGTH: 6
170 <212> TYPE: PRT
171 <213> ORGANISM: Artificial sequence

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174 <223> OTHER INFORMATION: Synthetic peptide  
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179 1 5  
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185 <213> ORGANISM: Artificial sequence  
187 <220> FEATURE:  
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193 1 5 10  
196 <210> SEQ ID NO: 6  
197 <211> LENGTH: 6  
198 <212> TYPE: PRT  
199 <213> ORGANISM: Artificial sequence  
201 <220> FEATURE:  
202 <223> OTHER INFORMATION: Synthetic peptide  
204 <400> SEQUENCE: 6  
206 Pro Lys Ser Pro Ser Ser  
207 1 5  
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212 <212> TYPE: PRT  
213 <213> ORGANISM: Artificial sequence  
215 <220> FEATURE:  
216 <223> OTHER INFORMATION: Synthetic peptide  
218 <400> SEQUENCE: 7  
220 Tyr Lys Ser Pro Val Val Ser  
221 1 5  
224 <210> SEQ ID NO: 8  
225 <211> LENGTH: 7  
226 <212> TYPE: PRT  
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229 <220> FEATURE:  
230 <223> OTHER INFORMATION: Synthetic peptide  
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235 1 5  
238 <210> SEQ ID NO: 9  
239 <211> LENGTH: 7  
240 <212> TYPE: PRT  
241 <213> ORGANISM: Artificial sequence  
243 <220> FEATURE:  
244 <223> OTHER INFORMATION: Synthetic peptide  
246 <400> SEQUENCE: 9  
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Input Set : A:\36668.txt

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253 <211> LENGTH: 7  
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255 <213> ORGANISM: Artificial sequence  
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263 1 5  
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267 <211> LENGTH: 12  
268 <212> TYPE: PRT  
269 <213> ORGANISM: Artificial sequence  
271 <220> FEATURE:  
272 <223> OTHER INFORMATION: Synthetic peptide  
274 <400> SEQUENCE: 11  
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277 1 5 10  
280 <210> SEQ ID NO: 12  
281 <211> LENGTH: 7  
282 <212> TYPE: PRT  
283 <213> ORGANISM: Artificial sequence  
285 <220> FEATURE:  
286 <223> OTHER INFORMATION: Synthetic peptide  
288 <400> SEQUENCE: 12  
290 Ala Lys Ser Thr Pro Thr Ala  
291 1 5  
294 <210> SEQ ID NO: 13  
295 <211> LENGTH: 7  
296 <212> TYPE: PRT  
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299 <220> FEATURE:  
300 <223> OTHER INFORMATION: Synthetic peptide  
302 <400> SEQUENCE: 13  
304 Ile Gly Asp Thr Pro Ser Leu  
305 1 5  
308 <210> SEQ ID NO: 14  
309 <211> LENGTH: 8  
310 <212> TYPE: PRT  
311 <213> ORGANISM: Artificial sequence  
313 <220> FEATURE:  
314 <223> OTHER INFORMATION: Synthetic peptide  
316 <400> SEQUENCE: 14  
318 Lys Ile Ala Thr Pro Arg Gly Ala  
319 1 5  
322 <210> SEQ ID NO: 15  
323 <211> LENGTH: 7  
324 <212> TYPE: PRT

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325 <213> ORGANISM: Artificial sequence  
327 <220> FEATURE:  
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330 <400> SEQUENCE: 15  
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335 <210> SEQ ID NO: 16  
336 <211> LENGTH: 7  
337 <212> TYPE: PRT  
338 <213> ORGANISM: Artificial sequence  
340 <220> FEATURE:  
341 <223> OTHER INFORMATION: Synthetic peptide  
343 <400> SEQUENCE: 16  
345 Ala Pro Lys Thr Pro Pro Ser  
346 1 5  
349 <210> SEQ ID NO: 17  
350 <211> LENGTH: 13  
351 <212> TYPE: PRT  
352 <213> ORGANISM: Artificial sequence  
354 <220> FEATURE:  
355 <223> OTHER INFORMATION: Synthetic peptide  
357 <400> SEQUENCE: 17  
359 Pro Ala Lys Thr Pro Pro Ala Pro Lys Thr Pro Pro Ser  
360 1 5 10  
363 <210> SEQ ID NO: 18  
364 <211> LENGTH: 7  
365 <212> TYPE: PRT  
366 <213> ORGANISM: Artificial sequence  
368 <220> FEATURE:  
369 <223> OTHER INFORMATION: Synthetic peptide  
371 <400> SEQUENCE: 18  
373 Ser Pro Gly Thr Pro Gly Ser  
374 1 5  
377 <210> SEQ ID NO: 19  
378 <211> LENGTH: 7  
379 <212> TYPE: PRT  
380 <213> ORGANISM: Artificial sequence  
382 <220> FEATURE:  
383 <223> OTHER INFORMATION: Synthetic peptide  
385 <400> SEQUENCE: 19  
387 Arg Ser Arg Thr Pro Ser Leu  
388 1 5  
390 <210> SEQ ID NO: 20  
391 <211> LENGTH: 7  
392 <212> TYPE: PRT  
393 <213> ORGANISM: Artificial sequence  
395 <220> FEATURE:  
396 <223> OTHER INFORMATION: Synthetic peptide  
398 <400> SEQUENCE: 20

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/640,737C

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Input Set : A:\36668.txt

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